

montalvo

Better Web Control®



Easy to install

115 or 230 VAC field selectable

Simple calibration and adjustment

Output proportional to web tension

Accurate, repeatable tension indication

Measurement range fits most applications

24V alarm output with adjustable trip point

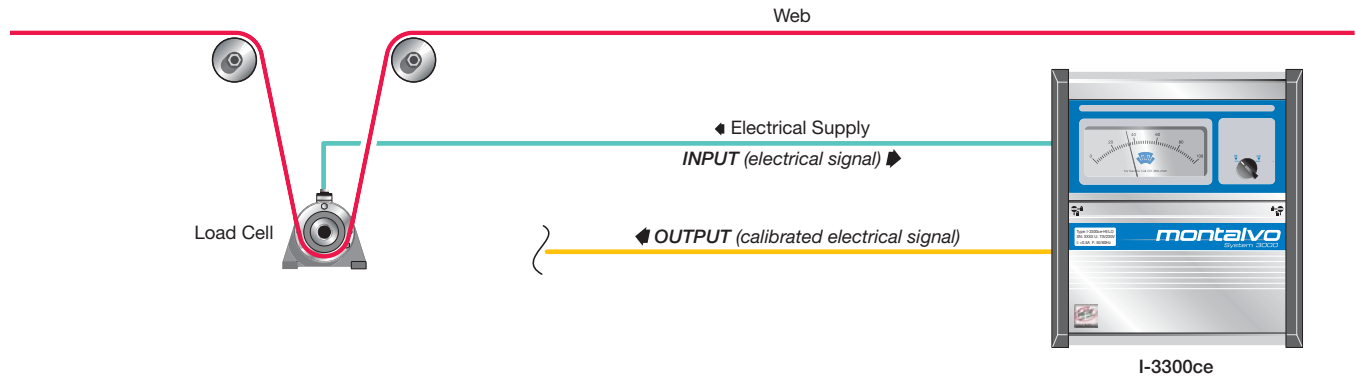
IP54 

System 3000™

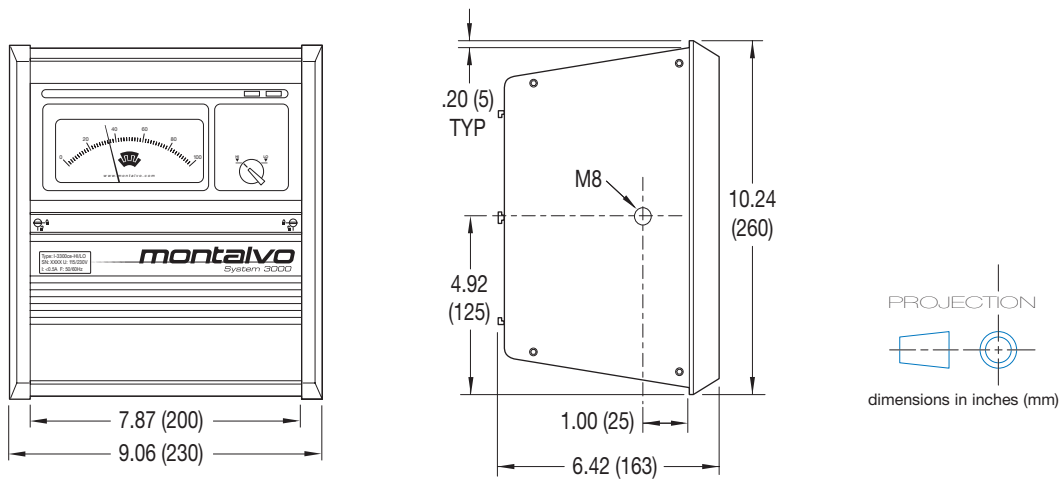
I-3300ce Tension Indicator

I-3300ce indicators monitor web tension by amplifying load cell signals. They provide excitation voltage as well as zero and calibration circuitry. The output can be used to drive a remote digital or analog meter. For further processing the output can also be interfaced to a PLC, PC, or a DC, AC or servo drive. I-3300ce modules work with Montalvo's SW-Series foil gauge load cells as well as with other brands. Two different amplifier modules are available. The basic model, I-3300ce, monitors total web tension with adjustments for calibration and zero level. The I-3300ce-HI/LO features dual range capability with two calibration adjustments for high and low gain setting.

Typical Application



Specifications



Model

- I-3300ce Total Tension Indication
- I-3300ce-HI/LO Total Tension Indication with Dual Range Capability

Electrical

- Supply Voltage, Selectable 115 or 230 VAC $\pm 10\%$ (IEC 204-1)
- Supply Frequency 48-62 Hz
- Overvoltage Category III (IEC 664)
- Maximum Internal Fuse Size 5x20 mm 115V/80mA(T) / 230V/50mA(T)
- Maximum Power Consumption 3.5 VA
- Maximum Supply Fuse Size 10 A
- Testing Voltage - Primary to Secondary 3.75 kV for 1 Minute
- EMC-Immunity EN 50082-2 Industry
- EMC-Emission EN 50081-1 Trade and Light Industry
- Load Cell Input ± 30 mVDC
- Input Impedance 100 k Ω
- Load Cell Supply ± 5.0 VDC $\pm 1\%$
- Zero Range Adjustment 200% of Load Cell Rating (± 60 mVDC)
- Gain Adjustment 90 to 4400
- Accuracy Better Than 1%
- Alarm Output Voltage 24 VDC $\pm 15\%$
- Meter Output, Selectable 0 to 100 μ A / 0 to 10V, Max. Load 5 mA
- Process Output, Selectable 0 to 20 mA / 4 to 20 mA / 0 to 10V
- Maximum Alarm Output Load $> 650 \Omega$
- Process Output Maximum Load (Current) $\leq 500 \Omega$
- Process Output Maximum Load (Voltage) $\geq 5000 \Omega$

Other

- Connections Removable Terminal Blocks
- Standard Meter Scales 0-5, 10, 25, 50, 150, 250, 500, 1000
- Mounting Bracket Supplied
- Mounting Orientation Not Critical
- Ambient Temperature Range: Operating 14 to 122°F (-10 to 50°C)
- Ambient Temperature Range: Storage 14 to 176°F (-10 to 80°C)
- Humidity $< 95\%$ Non-Condensing
- Material Degree of Inflammability UL 94 V0
- Degree of Protection IP54 (IEC 529)
- Installation Environment (Pollution Degree) 2
- Weight (approx.) 7 lb (3.18 kg)
- Size (WxDxH) 9.06 x 6.42 x 10.24 (230 x 163 x 260)
- Cut-Out (WxH) 8.78 x 9.96 (223 x 253)
- Cut-Out Tolerance $+ .063 / -.000 (+ 2 / -0)$
- Dimensions inches (mm)